Test and Process Gauges For Skydrol Applications

Features

- The 3D “Direct Drive Difference” means only one moving part
- Designed to withstand pulsation and vibration
- Protected from pressure spikes up to 150% of full scale
- 6 year warranty
- Nylon or stainless steel case
- Glass crystal
- Stainless steel dial silk-screened with Skydrol-resistant paint
- Purple label “For Skydrol Service Only”
- 6” dial size with process ($^1/_2$% mid scale) or test ($^1/_4$% full scale) accuracy
- 4$^1/_2$” dial size with test accuracy ($^1/_4$%)
- Wetted parts are Inconel X-750, 316SS and nickel
- Maintenance free

DESCRIPTION

3D gauges are the most durable gauges for Skydrol applications. The helically-wound bourdon tube eliminates all the gears and linkages that wear out in other gauges. Regular calibration isn't required, since 3D Direct Drive gauges maintain their accuracy throughout the useful life of the gauge.

3D's Skydrol gauges are designed to resist the effects of corrosive Skydrol fluid. Nylon or stainless steel cases are fitted with glass crystals, and the stainless steel dials are painted with special Skydrol-resistant epoxy paint.

The internal components of 3D Skydrol gauges are also constructed of high quality, corrosion-resistant materials. The helically-wound bourdon tube is Inconel X-750, which is nickel brazed to the stainless steel capillary. The aluminum pointer sits on a stainless steel shaft, which is supported by two synthetic sapphire bearings.

3D gauges are the ideal choice for applications that require accuracy, durability, and dependability. The long life offered by a 3D gauge means low cost of ownership for the user.

SPECIFICATIONS

Pressure Ranges:	0-30 to 0-20,000 psig and equivalent ISO and metric scales
Compound Ranges:	30" Hg/0-30 psi to 30" Hg/0-300 psi
Vacuum Ranges:	0-30" Hg
Accuracy:	Series 2554: ± 0.25% of span Series 2550: ± 0.5% of span at mid-range; ± 1% overall
Ambient Temperature:	-65° to 190°F (-54° to 88°C)
Operating Media:	Any media suitable for contact with 316 stainless steel, Inconel X-750, and nickel
Materials:	
Case:	Nylon or 300 series stainless steel (4½" dial size only)
Crystal:	Safety glass
Sensing Element:	Inoonel X-750
Fittings:	316 series stainless steel

ORDERING INFORMATION

Example: 25505-23B17GAB

Model #	Type	Accuracy	Size		Range	Connection	Flange/ Fitting	Case	Mod Code		Mod Code
25= process and test gauges	5=pressure 1=compound 2=vacuum	0=process 4=test ①	4=4½" 5=6" ②	-	③	B=¼"; C=½" ④	⑤	⑥	⑦	-	⑧

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① **ACCURACY:** 0=Rrocess; 4-test. Process accuracy is ½% mid scale and 1% full scale overall. Test accuracy is ¼% full scale. Reduced accuracy for vacuum, compound, high-pressure test (8,000 psi and greater), and ultra high pressure (15,000 and 20,000).

② **DIAL SIZE**
4=4½" (114mm) (nominal)
5=6" (152mm) (nominal)

③ **RANGE (psig*)**

21=0-30	**31**=0-1,500
48=30"Hg-0-30 (compound)	**32**=0-2,000
22=0-60	**33**=0-3,000
23=0-100	**34**=0-4,000
24=0-150	**35**=0-5,000
45=0-160	**36**=0-6,000
25=0-200	**37**=0-8,000
26=0-300	**38**=0-10,000
27=0-500	**39**=0-15,000
28=0-600	**41**=0-20,000
29=0-1,000	**Vacuum**
	21=30-0"Hg

Compound avail.

*Other engineering units available

④ **CONNECTION:** ¼" or ½" NPT male bottom or back connect, ½" NPT not recommended above 6,000 psig. Other connections available.

⑤ **FLANGE AND FITTING**
1 =Front flange/bottom fitting
2=Front flange/back fitting
3=Back flange/bottom fitting
4=Back flange/back fitting
5=No flange/bottom fitting
6=No flange/back fitting

⑥ **CASE MATERIAL/COLOR**
5=StainIess steel (4½" only)
7=Purple nylon (6" only)
8=Black nylon (only)

MOD CODE
GAB=Skydrol

⑧ **MOD CODE (Consult factory for other available options)**
ISO=Metric scale (kPa)
ISOD=Dual scale kPa/psi
GBT=Laminted glass crystal for SS case
GAD=Vibration dampening

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